GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Energy Dept.-Electrical Safety in Power Utilities and General Public – Constitution of Expert Committee for preparation of Safety manuals, General SOP for substations and certain suggestions & precautions for General public and creation of Electrical safety awareness in General Public using social media and make the state of Andhra Pradesh 100% safe and 0% accidents – Orders-issued.

Energy (Power-II.A1) Department

G.O.Rt.No.147 Dated:05.12.2022

Read the following: -

1. From the DES&CEIG, Guntur, Lr.No.DES&CEIG/TECH/File. Committees /D.No.1528/2022, Dt.30.09.2022.
2. From the Managing Director, APGENCO, G.O.O.No.109/ CGM(A)/2022, Dt.23.08.2022.
3. From the Chief General Manager/Coordination, APTRANSCO, Vijayawada, Lr.No.CGM(Coord)/GM(Coord)/ (Coord1)F:/D.No.379/22, Dt.03.11.2022.
4. From the CMD, APSPDCL, Tirupati, Lr.No. CMD/APSPDCL/ CGM/O&M/GM/ O&M/D.No.1779/22, dt.09-11-2022.
5. From the CMD, APEPDCL, Visakhapatnam, Lr.No.CMD/APEPDCL/ DIR/O/CGM/O&CS/ F.ACCIDENTS/D.No.1124/22, Dt.09.11.2022.
6. From the CMD, APCPDCL, Vijayawada, Lr.No.CMD/APCPDCL/ DIR(Tech)/GM-HR/D.No.944/2022, Dt.09.11.2022 .

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O R D E R: -

Power is a pivotal infrastructure element used 24X7 by everyone in the society, and is an important input for sustained economic growth of the country. Electricity despite being multi-functional deriving many benefits has a deficiency being unsafe under specific conditions. Electricity is generally excellent servant facilitating many benefits but once it becomes a master going out of control can cause severe devastation enforcing human deaths and heavy property loss. The safety aspect is Power Utility specific and each Power have altogether different safety function. In broader sense in the GENCO Boiler safety, Industrial safety along with Electrical safety need to be considered, whereas the need for Boiler safety is not required in TRANSCO and DISCOM. On other hand the Safety related measures/aspects are confined to a premises of the Plant.

2. When it comes to the TRANSCO/DISCOM, the Safety related awareness is not only important in the premises of substation but requires more awareness for General Public as the transmission/Distribution lines are spread across length and breadth of the State. Personnel functioning in utilities of Generation, Transmission, Distribution, and the general public should be fully conversant with safety to ensure that there are no personnel injuries or damage to property in the process of achieving the ultimate aim of 100% safety and 0% accidents, as accidents besides causing direct cost of paying compensation, medical expenses etc., can also result in longer Interruption and loss of revenue, losing skilled personnel, damage to equipment/machinery, loss of time of supervisory staff, loss of reputation and lowering of employee morale.

3. General public should be fully conversant with safety to ensure that there are no personnel injuries or damage to property in the process of achieving the ultimate aim of

100% safety and 0% accidents, as accidents besides causing direct cost of paying compensation, medical expenses etc., can also result in longer Interruption and loss of revenue, losing skilled personnel, damage to equipment/machinery, loss of time of supervisory staff, loss of reputation and lowering of employee morale.

4. To inculcate Safety as a culture in the AP Power Utilities and make the State of Andhra Pradesh 100% safe and 0% accidents, Government have decided to constitute the following committees:

I.A Committee for Safety in Power Utilities.
II.A Committee for Safety of General Public.

5. Accordingly, Government hereby constitute the aforesaid Committees with the following composition:

I. <u>A committee for Safety in Power Utilities</u>

Sl.No	Name of the Committee Member	Designation	Post
APTRANSCO			
1.	Sri. A.K.V. Bhaskar	Director/Grid, Transmission& Management	Chairman
2.	Sri. B.Laxmi Vara Meera Kumar	Chief Engineer/Transmission	Member Convener
3.	Sri. Shyam Prasad	Chief Engineer/Z/Vijayawada	Member Convenor
4.	Sri. Rama Chandra Prasad	SE/Projects/400KV	Member
5.	Sri.K. Anantha Srinivas	EE/Transmission /Coordination & reports	Member
6.	Sri.T.Veeraiah	Dy.EE/Transmission Coordination & Reports	Member
7.	Smt. P. Jyostna Rani	DGM/RA	Member
8.	Sri. K. Venkata Subba Ramana	EE/MRT/VS	Member

9.	Sri. C. Srinivasa Rao	EE/System Studies-1	Member
10.	Sri. B. Srinivasa Rao	DEE/Designs	Member
11.	Sri. M. Yogesh	DEE/Vigilance	Member
12.	Sri. O.Hari Prasad	DEE/QC	Member
13.	Sri. K. Bharath Chandra	AEE/IT	Member
Vijayawada Zone			
14.	Sri. N. Rama Chandra Reddy	SE/Projects/Vijayawada	Member
15.	Sri. K. Srinivasan	EE/MRT&PTR/Ongole	Member
16.	Sri. M. Venkateswarulu	DEE/EHT Lines/Gunadala	Member
17.	Sri. Ch. Amareswara NagaRaju	DEE/Maintenance/ Kondapalli	Member
18.	Sri. P. Vara Prasad	DEE/Main/220kv Nunna	Member
Vizag zone.			
19.	Sri. H.Muralidhar	EE/Tech/VSP	Member
20.	Sri. P. Ashok	DEE/Maintenance/Bavojipeta	Member
21.	Sri. Ch.VidyasagarBabu	DEE/Lines/SKLM	Member
22.	Sri. Anjaneyulu Naik Ramavath	DEE/MRT/Vizianagaram	Member

Kadapa Zone			
23.	Sri. Ramana Murthy	EE/O&M/Nandyal	Member
24.	Sri. S. Anil Kumar Reddy	DEE/Hotlines/kurnool	Member
25.	Sri.N.Ravindra	DEE/Lines /Anantapur	Member
26.	Sri. C.Kuppaiah	DEE / L / Renigunta	Member
27.	Sri. Subramanyam	DEE / M/ 400KV SS/ Jammalamadugu	Member
APGENCO			
1.	Sri G. Chandra Sekhar Raju	Director (Thermal)	Chairman
2.	2 Sri P. Simhachalam	CE/Generation (I/C)	Member-Convener
3.	Sri L V Swamy Naidu	SE/ Hydel-II	Member
4.	Sri M.Seshadri Sekhar	EE/Opn.CHP3&4/Dr.NTTPS	Member
5.	Sri M. Nagababu	Dy.EE/ safety/ Dr. NTTPS	Member
DISCOMs			
1.	Sri Gopal Reddy	Ex. MD/ APSPDCL	Chairman
2.	Sri. Siva Prasad Reddy	Director/Projects/SPDCL	Convenor
3.	Sri. Surya Pratap	Director/EPDCL	Member

4.	Sri. Jaya Bharat Rao	Director/Technical/CPDCL	Member
5.	Smt. G. Vijaya Lakshmi	DES&CEIG/Guntur	Member
6.	Sri.. Janaki Raman	GM/Projects/SPDCL	Member
7.	Sri Murthy	SE/Optd/Rajahmundry	Member
8.	Sri Murali Krishna	SE/Optd/Guntur	Member
9.	Sri. Krishna Reddy	SE/Optd/Tirupathi	Member
10.	Sri.T Sashidar	EE/Optd/Eluru/EPDCL	Member
11.	Sri.S.Nageswara Rao	EE/Tech/Vizag/EPDCL	Member
12.	Sri. T. Sridhar	EE/Const/Nellore/SPDCL	Member
13.	Sri J. Sreenivasulu Reddy	EE/Tech/Guntur/CPDCL	Member
14.	Sri. N.V. Raghavendra Rao	DEE/Optd/Yemmiganur/SPDCL	Member
15.	Sri Mohan	AE/Protection/Tirupathi	Member
16.	Sri N. Parathasarthy	Line Inspector/Dhaminedu/Tirupathi	Member

II. <u>A committee for Safety of General Public</u>

Sl.No	Name of the Committee Member	Designation	Post
1.	Sri Gopal Reddy	Ex. MD/ APSPDCL	Chairman
2.	Smt. G. Vijaya Lakshmi	DES&CEIG/Guntur	Convener

3.	Sri. S. Sudhakar Reddy	Dy.CEIG/Vijayawada	Member
4.	Sri.G. Veera Swamy	EI/Guntur	Member
5.	Sri.Y. Prasad	Dy.EI/Tirupathi	Member
DISCOM Representation			
6.	Sri. Surya Pratap	Director/EPDCL	Member
7.	Sri. Janaki Raman	GM/Projects/SPDCL	Member
8.	Sri Subba Rao	CGM/Planning/CPDCL	Member
9.	Sri.T Sashidar	EE/Optd/Eluru/EPDCL	Member
10.	Sri.S.Nageswara Rao	EE/Tech/Vizag/EPDCL	Member
11.	Sri. T. Sridhar	EE/Const/Nellore/SPDCL	Member
12.	Sri. N.V. Raghavendra Rao	DEE/Optd/Yemmiganur/ SPDCL	Member
13.	Sri Mohan	AE/Protection/Tirupathi	Member
Experts from Industry and University			
14.	Sri.G.V.K Reddy	M/s. Kallam Textiles, Guntur	Member
15.	Dr. Sri. Ch.Chengaiah, ME. Ph.D	SV University ,Tirupathi	Member
16.	Sri. V.V.S Bhaskara Reddy	AU College, Vizag	Member

17.	Sri. Chandra Sekhar	DGM/Vizag Steel Plant	Member

6. The above said Power Utilities Expert Committees shall conduct a survey, study for safety in Power Utilities for 100% safe working environment and 0% accidents in Power Utilities with the following terms and submit a detailed report within 45 days to Government:

- To review safety plan for AP Transco, APGenco, Utility wise and suggest recommendations if any.
- To review existing safety manual with standard operation procedures (SOP) duly describing the fatal prone black spots along with remedial measures which are to be taken to avoid them and arrange the manuals available to all employees.
- Suggestions regarding safety audit for Genco Plants, Substations/ Lines/PTRs structures.
- SOP for the shut down/Line Clears etc.
- Development of mobile app for generation of dynamic code for issuing LC and returning of LC.
- Use of latest Technological advanced devices for Line works to Detect of charged/uncharged lines.
- Suggestions with regard to the content and frequency of training programmes including Mock drills to employees.
- To conduct mock drills for saving a person from electric shock, Fire burns, how to escape from a fire accident, etc.
- To suggest regarding the DO's and DON'T's in the Plant, Substations and working on Lines &PTRs.
- To suggest the content regarding the Posters in the Generating Plants, Substations and for Lines & PTRs.
- The Mandatory safety gadgets to be used

7. The above General Public Safety Expert Committee shall conduct a survey, study for the general public's safety with the following terms and submit a detailed report within 45 days to Government.

- To create awareness of safety among the general public regarding the House hold equipment, Lines/Distribution Transformers using short videos in social media/in the Grama Sachivalayam /websites of Power Utilities.
- DO’s and DON’T’s regarding House hold electrical equipment, and power Utility assets.
- Content of Posters to be displayed in Grama Sachivalayams i.e safety precautions to be taken by Agriculture, Industrial, Commercial and Domestic consumers.
- Training to Energy Assistants regarding safety.
- Safety measures to be taken by DISCOM with regard to the equipment/lines spread across the households.
- To suggest the content for making DANDORA in villages for creating awareness.

8. The said committees above shall take Advisory support of Sri Gopal Reddy Ex. MD/APSPDCL, Tirupati, if required.

9. The CMD/APTRANSCO, MD/APGENCO, CMD/APSPDCL, CMD/APCPDCL, CMD/APEPDCL and DES&CEIG shall take further necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

K.VIJAYANAND
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
The Individuals concerned.
The Sri Gopal Reddy Ex. MD/ APSPDCL.
The Director of Electrical Safety and
Chief Electrical Inspector to Government of A.P, Guntur.
The Managing Director, APGENCO, Vijayawada.
The Chairman & Managing Director, APTRANSCO, Vijayawada.
The Chairman & Managing Director, APSPDCL, Tirupati.
The Chairman & Managing Director, APEPDCL, Visakhapatnam.
The Chairman & Managing Director, APCPDCL, Vijayawada.

Copy to:
The Member Convenor, Andhra Pradesh Power Coordination committee (APPCC), Vijayawada.
The P.S., to Minister for Energry, EFS & T and Mines & Geology.
The P.S., to the Special Chief Secretary to Government, Energy Department.
SF/SCs.

//FORWARDED BY ORDER//

SECTION OFFICER

Signed by Vani Kinthada
Date: 05-12-2022 17:37:27
Reason: Approved